8. TRAILS AND PATHS

1. Which of the following graphs have closed or non-closed Eulerian trail?



2. The vertex set of simple graph G is $\{1, \ldots, 100\}$, and the vertices i and j are adjacent iff $1 \le |i - j| \le 2$. Does G have an Eulerian trail?

3. Which of the following pictures can be drawn without lifting the pen from the paper or retracting?



4. Which of the following graphs have Hamiltonian path or Hamiltonian cycle?

